

PreCam Software Status

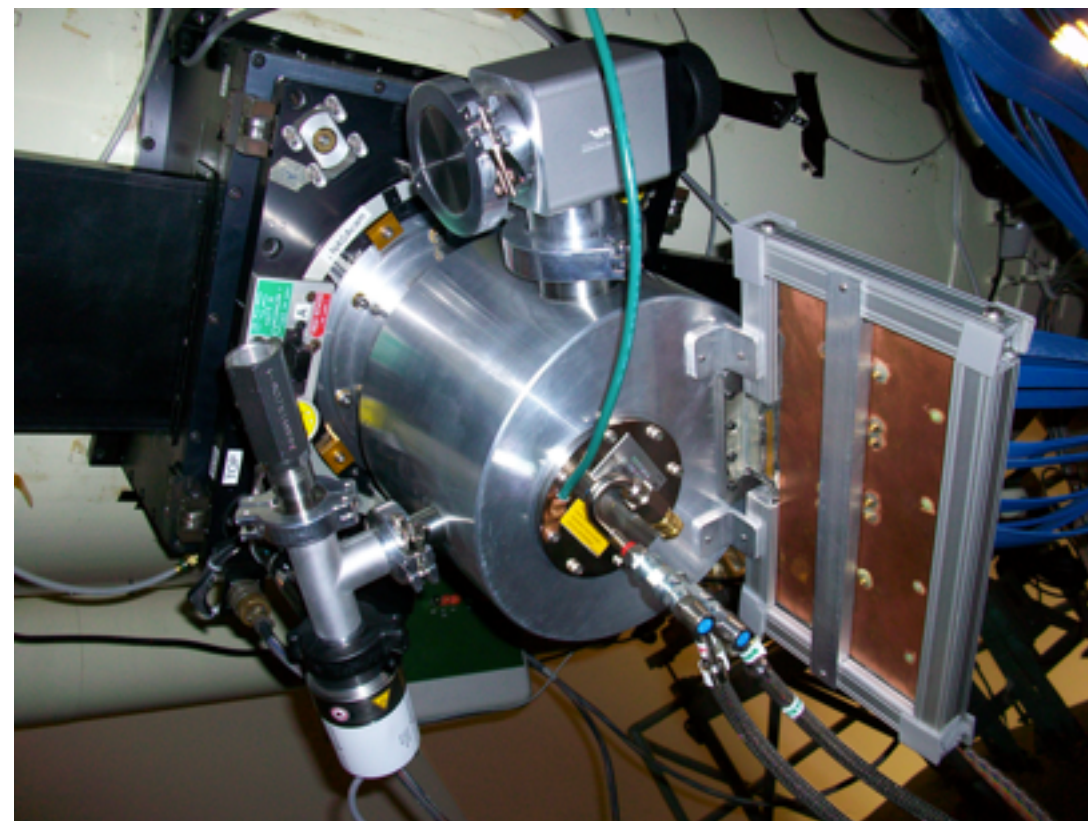
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Software Usage in Aug./Sept. Run

- Camera: ~95% uptime
- Most HW/SW components performed flawlessly (incl. near-science-grade CCDs!), some to be fixed/upgraded before next run
- Fully Functional Software Infrastructure: PreCam-SISPI
- TCS Interface robust
- However: PC preparation (esp. shipping!) and code install initially quite inefficient
- During commissioning run, most personnel resources devoted to optics, so:
 - TCS Control scripts developed “on the fly”
 - Problematic FITS Headers
 - “DTS” functioned, but not flawlessly
- PreCam now set up for testing (incl. image-taking) in Blanco Coudé Room



PreCam Software Issues

PreCam-SISPI Upgrade to mirror Lab A system

- Install process underway (w/OSU's help) on PreCam2, then PreCam1...completed by 11/8
- Some new tools for observers to learn (working with JE & KH)
- Solves many problems of “duct tape and chicken wire” SISPI (esp. OCS-Legacy)
- Offers improved user interface:
 - Observing Environment setup streamline
 - Inter-process communication facilitated
 - FITS Headers improved
 - GUI-based (as well as text-based) command and feedback systems
- Support from SISPI developers--if PreCam-SISPI has bugs, then Lab A/Imager does as well
- Fulfills Major Goal of PreCam: Provide an accurate test of DES Components (SISPI)

PreCam-Specific Software

- CS-TCS scripts (At bottom, still passing strings over sockets), .fpa/.ini files
- Internal standards (PML_Connection functions, RA/DEC units) facilitated by Code Management
- External compatibility with SISPI upgrades (script function within GUI/web interface)
- Code under development, to be tested @ CTIO November 8-16 (after HW upgrades)

TK on PreCam2?

- Required for GUIs
- To be completed with ANL/OSU IT support

FITS Headers

- Basic information to be provided by SISPI, or DT's “After Burner” (as of yesterday)
- Still need to automatically insert exposure-specific info: RA, DEC, UTC, Filter, etc. from TCS